

ABSTRACT

A sliding door system having several air sealing structures and mechanisms for use under severe storm condition is disclosed. The sliding door system includes
5 a top and a bottom sealing blocks attached to the top and bottom portions of the door frame, which have block sealing rims on the external walls, and a pair of sealing brackets along the top and bottom portions of the sliding door panel sashes. When the sliding door panel is in a closed condition, the block sealing rims are in direct contact with the sealing brackets to prevent water entrance under a strong
10 wind. The bottom and top portions of the door system along the fixed door panel also have sealing structures to provide air sealing. Moreover, the sliding door system has an interior screen panel, which is protected from the wind at the exterior of the housing.